FURNACES

CATALOGUE Number Fifty-Six



Abendroth Brothers

(Established 1840)

NEW YORK

BOSTON

Works and General Offices

PORT CHESTER, N. Y.

MANUFACTURERS OF

HOT AIR FURNAGES
HOT WATER AND STEAM HEATERS
YORK COAL RANGES YORK GAS RANGES
STAR SOIL PIPE AND FITTINGS

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Alan O'Bright





FURNACES

56. NO. TO CATALOGUE APPLYING LIST PRICE

ABENDROTH FURNACES

Less Casings	\$50.00	55.00	65.00	77.50	100.00	On the second	Less Casings	\$ 72.50	85.00	100.00	120.00		160.00	182.00
Complete with Casings	\$ 60.00	67.00	79.00	93.50	118.00	GEM FURNACES	Complete with Casings	\$ 86.50	101.00	117.00	140.00	BUILT ONLY TO ORDER WITH CAST IRON DOME	175.00	200.00
Number	528	532	536	540	544	The same of the	Number	136	140	346	350 per result per per		236	240

WONDER GEM FURNACE

SOLD ONLY COMPLETE WITH CASINGS

Number 10-50

Complete with Casings

\$200.00

TRADE DISCOUNT

Abendroth Brothers BY 1840

109 BEEKMAN STREET,

NEW YORK

PORT CHESTER, N. Y.

294 FRANKLIN STREET, BOSTON

NOTE

Specifically Traditional

furnishing new parts for any found defective in manufacture. Abendroth and Gem Hot Air Furnaces are guaranteed only to the extent of

Prices are F. O. B. Port Chester, N.Y. with Freight Allowances as follows

Full freight will be allowed on Furnaces in following states:

Connecticut, New York, Pennsylvania, New Jersey, New Hampshire, Vermont, Massachusetts, Rhode Island,

Delaware, Maryland and District of Columbia.

Port Chester, N. Y. or Less on Furnaces not to exceed Thirty Cents, (30 Cts.), per Hundred Pounds from In all other States not mentioned above actual Freight will be allowed in Car Loads

and other causes beyond our control. All Quotations, Orders and Contracts are subject to Car Supply, Strikes, Accidents

Repairs are Sold F. O. B. Port Chester, N. Y., and are net cash.

Abendroth Brothers

ESTABLISHED 1840

109 BEEKMAN STREET,
NEW YORK

PORT CHESTER, N. Y.

REMOVER

STATE AND A STATE OF THE

294 FRANKLIN STREET, BOSTON

FURNACES

CATALOGUE Number Fifty-Six



Abendroth Brothers

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NEW YORK

BOSTON

Works and General Offices

PORT CHESTER, N. Y.

MANUFACTURERS OF

YORK COAL RANGES HOT WATER AND STEAM HEATERS STAR SOIL PIPE HOT AIR FURNACES AND FITTINGS YORK GAS RANGES



"ABENDROTH" HOT AIR **FURNACES**

POWERFUL

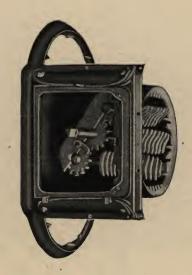
ECONOMICAL

DURABLE

With All Modern Improvements

SPECIALLY ADAPTED FOR THE WARMING OF FLATS AND PRIVATE HOMES.

flue construction, gives a long fire travel, thereby insuring most satisfactory results, at a great saving of fuel. The New Pattern Steel Radiator is absolutely gas tight, and by special



or replaced, without disturbing in the least, the furnace. The grates are so constructed that they may at any time be removed

which may have formed. perfect combustion. This They are of the Triangular type, designed with liberal air space, giving grate will break up and remove any clinkers

Abendroth Brothers

PORT CHESTER, N. Y.



up the fire at will. with each Furnace, making it easy to check or start Regulating Damper for smoke pipe is furnished

A Grating is also furnished with each Furnace when required, which is put in the Casing when no Cold Air Box is provided. All ABENDROTH Furnaces will be shipped with Steel Plate Radiators, unless specially ordered with Cast Iron Radiators. Made with one or two piece fire pot.



Rings can be furnished if desired. Cast Iron Sectional Casing Rings with each Furnace. Steel Casing

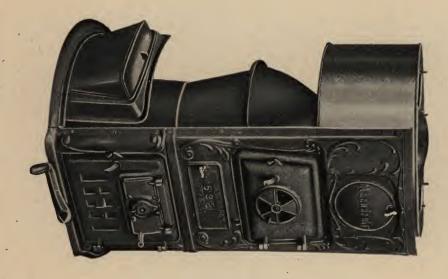
are carefully assembled by skilled mechanics. Like all our products, these furnaces are made of high grade iron and

528 532 540 544	No.
28 32 40 44	Diani. Casing In.
16 18½ 21 24 26	Diam. Fire Pot In.
77766	Diam. Smk.Pipe In.
58 58 58 58 58 58	Extreme Height In.
Abe. Aben. Abend. Abendr.	Code Word

Abendroth Brothers

ESTABLISHED 1840
PORT CHESTER, N. Y.

"ABENDROTH" **FURNACE**



WITH ONE OR TWO PIECE FIRE POT AS REQUIRED.

Abendroth Brothers

ESTABLISHED 1840
PORT CHESTER, N. Y.

"GEM" FURNACES

" 100 SERIES"

A heavy, substantial furnace

For hard or soft coal.

A deep ash pit.

Triangular, revolving grates with three sides for the fire to burn on.

pansion and contraction, thus avoiding the liability of cracking A heavy corrugated fire pot made in two pieces, which allows for ex-

A deep cup joint makes it gas tight.

A heavy combustion chamber, corrugated, making it strong and durable

flanges, making it perfectly gas tight. heavy steel radiator with cast iron top and bottom, having deep

Large flues, easily cleaned.

contact with all parts Large heating surfaces, so arranged that a free flow of air comes in

Ample air space.

136 140	No.
36	Diam. Casing In.
20 22½	Diam. Fire Pot In.
× 7	Diam. Smk. Pipe In.
54	Extreme Height In.
Had. Hade.	Code Word

Abendroth Brothers

"GEM" FURNACES



STEEL OR CAST IRON RADIATOR AS REQUIRED.

Abendroth Brothers

ESTABLISHED 1840

PORT CHESTER, N. Y.

GEM" FURNACES

"300 SERIES"

nace three very large and powerful heating surfaces combustion chamber and radiator are made of heavy steel, giving the furfurnace has the same ash pit and firepot as the 100 and 200 series, but the The most powerful and economical furnace ever manufactured. This

passes to the rear, thus in reality making three circuits of the radiator. it dives down, then comes again to the front, where it dives down and near the top, then passes around each side of the radiator to the back, where The fire enters the radiator from the combustion chamber at the front

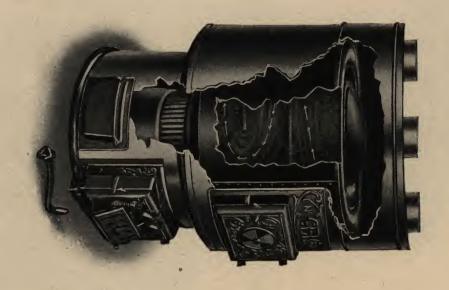
perature, thus saving all the heat units possible from the fuel consumed of the radiator, the smoke goes into the chimney at the very lowest temfor nearly perfect combustion, and as the last fire travel is at the bottom This furnace having a straight combustion chamber, very high, allows

346 350	N o
46 50	Diam. Casing In.
20 221/2	Diam. Fire Pot In.
9 &	Diam. Smk. Pipe In.
57	Extreme "Height In.
Hod. Hode.	Code Word

Abendroth Brothers

ESTABLISHED 1840
PORT CHESTER, N. Y.

"GEM" FURNACES



Abendroth Brothers

ESTABLISHED 1840
PORT CLESTER, N. Y.

NEW YORK

GEM AUXILIARY HEATERS



radiation. Each section will heat 100 gallons of water per hour. more can be coupled together. bustion chamber 171/2 inches in diameter. Can be used alone, or two or heating water for domestic use. For combination heating in connection with a warm air furnace, or Can be placed in any furnace with a com-Each section will heat 75 feet of direct

BASE AND GRATE OF GEM **FURNACES**



SHOWING DEEP ASH PIT

Abendroth Brothers

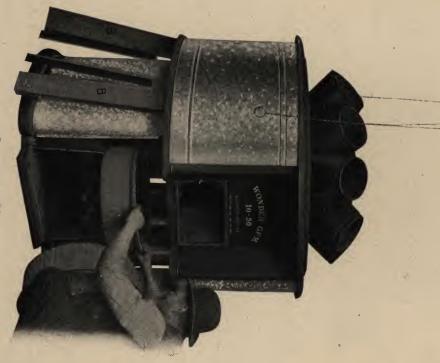
ESTABLISHED 1840 PORT CHESTER, N. Y.

THE WONDER GEM AIR WARMER

Extraordinary

PATENTED

SUITABLE FOR THE BURNING OF ALL FUELS



SECTIONAL VIEW

taking down the Heater, and disturbing the pipes, eliminated. Illustrating the easy removal of the Fire Pot, with the necessity of

Abendroth Brothers

PORT CEESTER, N. Y. ESTABLISHED 1840

CONSTRUCTION

convenient, and materially economizing the cost of repairing. heater or disturbing the pipes, making the replacing of the Firepot most in two sections, which can be readily taken out without dismounting the modious Ash Pit, Triangular Grates, easily removed, and a Firepot cast The Wonder Gem Air Warmer is composed of a base with com-

base of the heater, opening into the cold air supply. each of these is connected a galvanized iron flue which terminates at the part of the Firepot, and form the Combustion Chamber. A series of wedge-shaped cast iron warming flues surround the upper To the bottom of

and equal distribution of the air. warming flue to which it connects at the top of the heater, insuring a positive Each cellar pipe receives its warm air supply from an independent air-

AIR WARMER, it cannot be directed to a definite and positive course. supply, and as this air-travel is not harnessed, as it is in the Wonder Gem chamber at the top, to which all the cellar hot air pipes connect for their With the ordinary furnace, the hot air is gathered into a

CAPACITY AND DIMENSIONS

No. 10-50

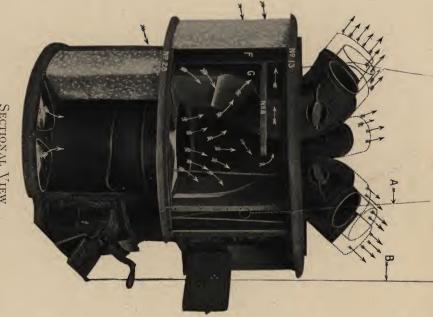
WONDER GEM AIR WARMER

Size of coal to be used Stove or Stove and Egg Mixed	Size of Cold Air Duct	Firepot—Diameter, 20 inches; depth	Add to height, if brick foundation is used8 inches	Height of Heater 4 feet, 2 inches	Diameter of Heater	Estimated heating capacity40,000 cubic feet
re and Eg	12 x			4 feet,		.40,000 c
gg Mixed	30 inches	13 inches	.8 inches	2 inches	50 inches	ubic feet

(Sold only complete with Casings)

Abendroth Brothers

ESTABLISHED 1840 PORT CHESTER, N. Y.



SECTIONAL VIEW

WITH TWO AIR-WARMING FLUES, AND A PORTION OF THE FLUE CASING REMOVED

tion is reached. and the combustion products wholly utilized before the smoke pipe connecfire-travel is both direct and indirect, the indirect fire-travel being lengthy, burning gases, making the heater in its entirety, active heating surface. each of the air-warming flues, that their every side is surrounded by the The fire-travel, as pictured above, is so cared for by openings between

Abendroth Brothers

PORT CHESTER, N. Y. ESTABLISHED 1840

HYGIENIC

ture, and not the parched, unhealthful air which is distributed by the ordinary rooms connected with the air-warming apparatus, air of a balmy tempera-These Air-Warming Flues, not being overheated, deliver to the different

CONVENIENTLY CLEANED

parts being readily accessible for this purpose Ample provision has been made for the cleaning of the Heater,

ECONOMY

mitting of the absorption of the combustion products by the many airwarming flues, before they are forced to the chimney. surface, it is not necessary to maintain a high rate of combustion, per-The Firepor being entirely surrounded by a maximum amount of heat-

tained in the ordinary hot air furnace. This would be impossible with the rapid combustion necessarily main-

THE MANUFACTURER'S GUARANTEE

furnishing new castings for any found defective in manufacture The Wonder Gem Air Warmer is guaranteed only to the extent of

Abendroth Brothers

ESTABLISHED 1840 PORT CHESTER, N. Y.

GENERAL INFORMATION

South and East. being the case, locate the furnace so that the shorter pipes will run to the cold side of the house, West and North, with the longer pipes running Hot air goes with the wind much easier than it goes against it.

pipes should be on a level when they come out of the bonnet. Hot air pipes coming from the side of a bonnet, the tops of all these

Never take any pipe out of the side of the bonnet where the tops of those pipes are lower than the top of the bonnet.

larger pipes and registers than the same sized rooms on the warm side of the house. Rooms having bay windows and considerable more than the average glass surface on the cold side of the house should have two sizes larger pipes and registers than the same sized rooms, without this extra Rooms on the cold side of the house should always have the next size

glass surface, should have on the warm side.

Have all pipes as short as possible. Have the shortest pipes run to rooms on cold side of the house. Wrap cellar pipes exposed to the cold

drafts, or make such pipes double.

All pipes should have hot air dampers close to the furnace. Where hot air pipes pass through the wall in the cellar, an air space around the pipe should always be left. Never mason a pipe in solid that passes through a wall in the cellar, as the wall chills the pipe and makes

Rising pipes in the partitions to be located in inside partitions or inside

All rising pipes in outside walls to be wrapped in asbestos, or made double to avoid chilling.

Always bring the cold air box from the coldest side of the house, West, Northwest or North. Cold air boxes when taken from the outside should have 75 per cent of the total capacity of all your hot air pipes. When the air is taken from the inside of the house or from the cellar, the cold air opening into the furnace should be of equal capacity to all the hot air pipes combined.

to make the connection in the rear of the furnace or by having a cold air pit under the furnace. This pit should never be over 14 inches deep, 12 inches is better. When a cold air pit under a furnace is more than 14 inches in depth the furnace will not operate successfully nine times out of In connecting a cold air box with a furnace it is always most desirable

of all the pipes combined. audience room down to the furnace should always have the full capacity air openings should never be above the level of the grate. The size cold air boxes which supply the furnace when taken from a main hall Furnaces must have, and will have air, and this air should be supplied from the cold air opening at the bottom of the casing. The top of all cold The size of

Abendroth Brothers

PORT CHESTER, N. Y. ESTABLISHED 1840

TABLES FOR HEATING

The Chicago and Northern Heating Table is to be used in aiding dealers in determining size of pipes and registers for heating rooms specified. This is based on climatic conditions as found in placed in the floors, as better circulation of air is obtained. cold sections of the country. We advise all first story rooms and halls to be heated by a register

The Heating							30 x 35 x 14	30 x			20 x 28 x 11			$20 \times 20 \times 11$			17 x 17 x 10			15 x 15 x 10		x 15 x	$10 \times 13 \times 10$		25 X 100 X 14	x 90 x	x 08	63 x			35 x		18 x 25 x 12	$20 \times 22 \times 10$	$17 \times 20 \times 10$	18 x 18 x 10	$13 \times 17 \times 10$	12 x 17 x 10		11 x 14 x 10	of Kooms	Average Size				
The Heating Table can be used	44,000	39,000	34,000	31,000	26,000	22,000	14,700	10,800	8,000		6,100			· 4,400			2,800			2,250		1,800	1,300	EAST	40,000	30,000	25,000	20,000	14,500	11,000	8,000	6,500	5,500	4,500	3,500	2,700	2,300	2,200	1,800	1,600	One Side Exposed	Heated in Rooms	That Can Be	Cubic Feet of Air	NOR	
in aiding dealers	30×30	27 x 38	27 x 27	24 x 24	21 x 29	20 x 24	20 x 20	16 x 24	14 x 22		12 x 19			12 x 15			10×14			9 x 14		8 x 12	8 x 10	EASTERN AND SO	30 x 42	27 x 38	30 x 30	27 x 27	24 x 27	20 x 26	20 x 20	16×20	14 x 22	12 x 19	12 x 15	12 x 14	10×14	10×12	9°x 12	8 x 10	Register Used	Size of	General		NORTHERN AND	
720	. 600	684	486	384	406	320	267	256	205		152			120			93			72		53		SOUTHERN 7	840	684	600	486	432	347	267.	214	205	152	120	102	93	80	72	53	Inches	Register.	Capacity of	Hot Air	Z	
30	28	26	24	22 -	21	20	18	16	14		13			12			10			9		00	∞	TABLE	31	29	28	24	22	20	18	16.	14	13	12	12	10	10	9	00	Inches	Size	Pipe to	Hot	TABLE	
707	616	531	452	380	352	314	254	201	154		136			113			78 °			63		50	50		755	661	616	452	380	314	254	20i	154	133	113	113	78	78	64	50	Inches	Capacity	Pipe to be Used.	Hot.Air		
					12 x 24	12 x 22	12 x 18	6 x 28	6×20	6 x 18	or	4 x 28	6 x 16	or	(4 x 24	6 x 12	or	(4 x 18) 6 × 10	or	(4 x 16	4 x 12	4 x 12								12×20	10 x 16	8 x 16	8 x 14	6 x 16	6 x 14	6 x 12	4 x 20	4 x 16	4 x 12	Same to Be	Size of	Used Inside,	Pipes Are	If Wall	

The Heating Table can be used in aiding dealers in determining size of pipes and registers for heating rooms specified. This is based on climatic conditions as found in cold sections of the country. Advise all first story rooms and halls to be heated by a register placed in floors, as better circulation of air is obtained.

Small halls, use 10 x 14 register and 9-inch pipe from furnace.

Medium sized hall, 12 x 15 register and 10-inch pipe from furnace.

Good sized hall, 12 x 19 register and 12-inch pipe from furnace.

All halls having side windows should have 2 registers. One register next to well hole, or next

to stairs, and one register in floor some distance away from door.

Abendroth Brothers

ESTABLISHED 1840

HEATING POWER OF FURNACES

as to size of furnace generally required to do a certain amount of heating Under favorable conditions this table will furnish a dealer information

Furnaces with 35-inch fire pot will heat from 60,000 to 80,000 Cub. Contents. Furnaces with Furnaces with Furnaces with 18-inch Furnaces with with with 33-inch with 16-inch 29-inch 24-inch 26-inch 21-inch hre fire pot will heat from fire pot fire fire fire fire pot will heat from pot pot pot pot will will will will will heat heat heat heat heat from from from from from 50,000 to 62,000 Cub. 35,000 18,000 25,000 to 12,000 8,000 to 10,000 7,000 to 44,000 25,000 18,000 35,000 8,000 Cub. Cub. Cub. Cub. Cub. Cub.

of cubical contents. ing churches, audience rooms and halls, furnaces will heat double the amount Dwellings in exposed positions use one size larger turnace:

third story rooms. sidered as to the points of compass and location of risers for second or building must have its general construction and plan of heating duly consections the above number of rooms should be decreased. Above is based on New York climate and vicinity. Wall pipes should be in inside walls as much as

better controlled. Air boxes should not be too direct to furnace, as air currents can be

Abendroth Brothers

PORT CHESTER, N. Y.

No. 820 YORK A

With Gas Attachment and High Warming Closet



We manufacture a full line of York RANGES. Catalogue and prices on application.

Abendroth Brothers

ESTABLISHED 1840
PORT CHESTER, N. Y.

NEW YORK

No. 820 YORK A

With High Warming Closet

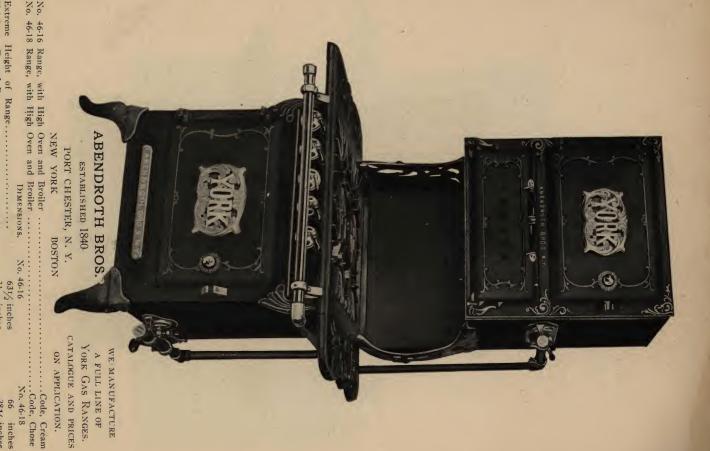


We manufacture a full line of York RANGES. Catalogue and prices on application.

Abendroth Brothers

PORT CHESTER, N. Y.

19



Height to Top of Range

Depth of Top

inches inches inches inches inches

inches inches

inches

281/2 inches 361/2 inches 30

Broiler Baking Oven

"GEM HEATERS

FOR STEAM OR WATER WARMING

Manufactured in 100 Sizes

Capacity Range for Water, 125 to 10,725 square feet. Capacity Range for Steam, 225 to 6,500 square feet.



CROWN GEM STEAM HEATER

DESCRIPTIVE CATALOGUE FOR THE ASKING.

Abendroth Brothers

PORT CHESTER, N. Y.

NEW YORK

We also produce a Complete Line of

TANK HEATERS

LEG RANGES GAS RANGES CYLINDER STOVES POT STOVES

SOIL PIPE AND FITTINGS MAN HOLE FRAMES AND COVERS WASH-TRAY LEGS GARBAGE CLOSETS SINK LEGS

In fact

BUILDERS' AND PLUMBERS' CAST IRON SUPPLIES

of every discription

Price Lists for any or all of the above goods securable upon application

Abendroth Brothers

ESTABLISHED 1840
PORT CHESTER, N. Y.







HEATERS

FOR STEAM AND WATER WARNING

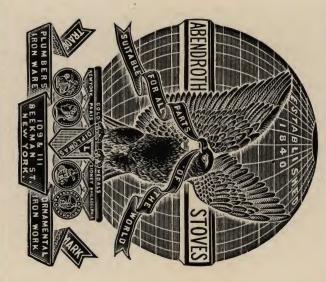


Works and General Offices

PORT CHESTER, N. Y.

NEW YORK

BOSTON



= MANUFACTURERS OF =

YORK COAL RANGES YORK GAS RANGES HOT WATER AND STEAM HEATERS SOIL PIPE AND FITTINGS HOT AIR FURNACES

Price lists for any or all of the above goods securable upon application.



Abendroth Brothers

BENDROTH GEM BOILERS NET PRICES AND RATINGS

(SUBJECT TO CHANGE WITHOUT NOTICE)

ROUND SECTIONAL

THE P. P. LEWIS CO., LANSING,	25-S-3 25-S-4	22-S2 22-S-3 22-S-4	19-s-2 19-s-3 19-s-4	16-s-2 16-s-3	SIZE	
III CO	675 750	475 525 575	325 375 425	225 275	RATING	STEAM
	77.00 84.00	59.00 62.00 66.00	43.00 48.00 55.00	\$34.00 38.00	PRICE	1
TO TO THE PARTY OF	25-W-3 25-W-4	22-W-2 22-W-3 22-W-4	19-W-2 19-W-3 19 W-4	16-w-2 16-w-3	SIZE	
	1075	775 850 925	525 600 675	375 450	RATING	WATER
	76.00 81.00	56.00 59.00 63.00	40.00 46.00 52. 00			

SQUARE SECTIONAL

LAU	40-S-11	40-S-IO	40-S-9	40-S-8	40-S-7	40-S-6	40-S-5	30-S-10	30-s-9	30-s-8	30-S-7	30-s-6	30-S-5	20-S-8	20-S-7	20-s-6	20 S-5	20-5-4	SIZE	
LAUNDRY HEATERS	7150	6400	5725	5000	4290	3575	2850	3200	2850	2500	2150	1800	1450	1500	1300	1100	900	700	RATING	STEAM
TERS	495.00	455.00	416.00	378.00	338.00	300.00	263.00	300.00	270.00	240.00	211.00	181.00	151.00	157.00	139.00	120.00	103.00	\$ 84.00	PRICE	
TAT	40-W-II	40 W-10	40-W-9	40-W-8	40-W-7	40-w-6	40-W-5	30-W-10	30-W-9	30-W-8	30 W-7	30-W-6	30-W-5	20-W-8	20-W-7	20-W-6	20-W-5	20-W-4	SIZE	
TANK HEATERS	11800	10550	9450	8250	7000	5900	4750	5250	4680	4110	3540	2970	2400	2470	2140	1810	1480	1150	RATING	WATER
R R R	4	4	40	3(33	20	251 00	20	26	20	20	17	. 1,	153.00	. 18	111	0	**	PI	

LAUNDRY HEATERS

					00-100	125-175	100-150	100-150	IN GALS.	CAPACILI
					7.50	12.50	11 00	\$10.00	PRICE	
3-W-19	2-W-19	1-w-19	2-W 15	I-W-16	11-60	15	120	12	SIZE	THE PERSON
775	675	575	500	425	400	275	235	175	IN GALS.	CAF
600	565	475	400	325	300	200	175	90	BATING	CAPACITI
41,00	37.00	32.00	30.00	26.00	25.00	19.50	16.00	\$14.00	PRICE	

20I 102 12 10-W

SIZE

Abendroth Brothers

PORT CHESTER, N. Y.

NEW YORK

MENTION MAKEN TITLOMOTORS

SOMPLAN ONA BELIEVE TEN

CHARLES THE WASHINGTON TO SELECT THE PROPERTY OF THE PARTY OF THE PART

ROUND SECTIONAL

		1	122	0.07	1044			Stile	20.00				Description of the last		H	1000	PART I		100		4=	M-M			
Teach Per			**			10.00	Bragate	IT UMA-	100			-					ATTIN PRINCE	Charles Assert		1000					-
	Sales					188 W		Salve .							No. of Street, or other Persons and the Person	1000	N. O. S.			1000					2
	100	Canal Control	1000	210	E. 0 cc.	OUTO		1000			10000			100			200		488				No. Wall	100	-
PLANE	MILEN	HK.	200	-	Sport -	LAN	TAN	Delvine de	\$ 1 LJ	200		on time		Trees.		2000	THE SPECIAL	DATAGO.				/103		5.3	
3373							à	20	(Aud								SCHOOL ST		WOLLD'S	100	38		100	978	,
		1000	Sent Sent Sent	20.00	Towns or the last			TANKE	10	Though and the same of	The same	100	71			1000			100		200	W. 00 10 10 10 10 10 10 10 10 10 10 10 10		200	

Readford diochass

TO H. Marchine Control

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STATE AND STATES

FOREWORD

the grate, and not, as so generally listed (size of fire-box area). and Hot Water Heater Catalogue, in loose leaf form, we would invite their attention upon them the fact that throughout this Catalogue we give actual measurements of to our ever-increasing number of styles and sizes, and would particularly impress In presenting to our many friends and customers this new edition of our Steam

experience, skill and capital can furnish to turn out to the experienced Heating ufacture of the famous Gem Heaters, and in fact, nothing has been omitted that Engineer Heaters that are the best. Special machinery of the latest and most approved pattern is used in the man-

selecting the size best adapted to meet any requirements. engineer, no matter how exacting the demand, should have no difficulty in So comprehensive and complete is the capacity range of the Gem Heaters that

business, which, with our excellent shipping facilities, will receive prompt attention, Thanking you for past favors, and trusting to be favored with your future Faithfully yours,

ABENDROTH BROS.

lists, and are subject to change without notice. Prices herein listed are in effect August 1st, 1910, and supersede all former

DISCOUNTS QUOTED TO THE TRADE ONLY

CATALOGUE No. 57

Rating Note and Guarantee.

TO BE CAREFULLY OBSERVED IN ORDERING GEM HEATERS

- found defective in manufacture. our works, and are guaranteed only to the extent of furnishing new castings for any All Gem Heaters are very carefully tested by hydraulic pressure before leaving
- forth in Paragraph 4. conditions surrounding their installation, we do not guarantee them, except as above, and servatively made in accordance with accepted standards; but on account of the varying in accordance with the standard of pressure for steam and temperature for water as put The rated capacities of Gem Heaters as listed in this Catalogue are very con-
- proper fuel, care and management. smoke flue be of proper size, and have a good draft; and that the Heater shall receive properly heat the building as above; that the apparatus be properly erected; that the The ratings are also based upon the proviso that sufficient radiation be used
- degrees Fah., as the water leaves the Heater. pressure at the Heater, and the water ratings on a standard of a temperature of 180 The steam ratings of Gem Heaters are based on a standard of two (2) pounds
- shall be figured as radiating surface, in addition to the direct cast iron radiators to be mating the size of Gem Heater required, all piping (mains and risers, flows and returns) The ratings are for actual direct cast iron radiation, and provide that in esti-
- larger, and if indirect is used, 70 per cent. larger than for direct radiators. If direct-indirect radiation is used, the Heater capacity should be 30 per cent.
- or other good covering, to secure greatest economy and efficiency Gem Heaters, together with all mains and branches, be thoroughly covered with asbestos Heater capacity than the same amount of direct radiation; hence, we recommend that The surface of Heaters, mains and returns, if not properly covered, require more
- radiation for steam for each gallon to be thus heated per hour. use, additional capacity must be provided in determining the size of Heater Heaters, or a steam coil placed in a tank for the purpose of heating water for domestic When a pipe coil or cast-iron section is introduced into the fire-pot of Gem 2 square feet of direct radiation for hot water, or 11/4 square feet of direct required,
- the understanding that sufficient storage tank capacity is used in connection with the experience has shown that the Heaters will supply for ordinary use, and are based upon The tank capacities of Gem Heaters represent the estimated size of tanks which For any definite requirements, special capacity should be provided
- 10. RATINGS ARE ALSO BASED ON HARD COAL AS FUEL.
- greenhouse warming, figure one size larger Heater. 11. If soft coal is the fuel, or heater is used in connection with conservatory or
- the part of the manufacturer is impossible. is receipted for as having been delivered in good condition to the transportation pany, our responsibility entered against the carrying company, as further jurisdiction over the shipment on All shipments are made at the risk of the purchaser. ceases. Any claim for damages to the shipment enroute must Immediately a shipment

Specifications of the York Gem Square Sectional Steam and Hot Water Heaters.

CONNECTIONS.

A tight iron to iron connection of the sections in the York Gem Heater is effected by use of the mechanically perfect push Nipple made of the same quality of cast iron as the rest of the heater, allowing for equal expansion and contraction.

cored ways, thus exempting them entirely from action of fire and water. wrought iron rods which pass through Sections are held together by use of

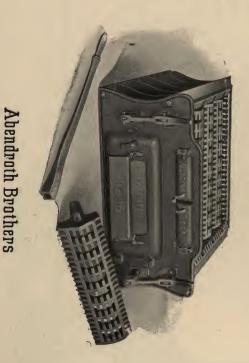


GRATES

5

All grate bars are interchangeable and require neither cottor pins nor bolts to hold them in is necessary subsequent to the erection of the Heater. Thus is obviated the difficulty usually experienced when bar removal

and easy handling. grate line by the sliding door located on the front of the ash pit frame at Provision is also made for the easy and effectual cleaning of the fire at the The Ash Pit is deep and roomy, giving plenty of space for ashes



NEW YORK

PORT CHESTER, N. Y

SPECIFICATIONS CONTINUED.

The intermediate section in which strength, efficiency and serviceability are so united as to assure only the best results.

Note the large amount of direct heating surface, same is about 75 per cent. with about 25 per cent. indirect surface. This tends to make a very economical Heater in the use of fuel and is of interest to the engineer wishing to please and satisfy his clients.



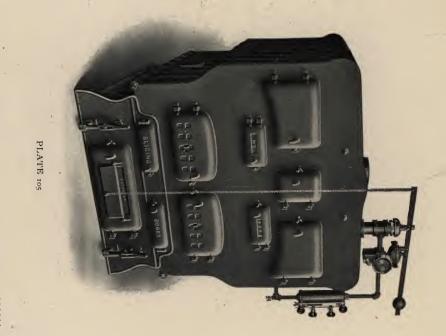
TRAVEL OF GASES.



Passing upward between the over-hanging direct heating surfaces of each section, through the openings, A. to the gathering chamber, B; thence to the rear of the Heater, and into the upper centre flue, C; the gases being kept burning during their forward travel here by the admission of gas torches through the up takes, D; finally through the side flues, E, to the smoke connection at the rear.

Greater Abendroth Heaters

For Steam Warming



Grate Width

.. 40 in.

STEAM AND HOT WATER HEATERS

For Full Description See Other Side

Abendroth Brothers

PORT CHESTER, N. Y.

Abendroth York Gem Heaters for Steam Warming

30-40" Grate Widths

Capacity Range, 700 to 7150 Square Feet

Length *Tappings req. to cover so that the cover req. to cover so that the cover req. to cover so the cover req. to cover so the cover so the cover req. to cover

the greater area of the extreme Fire Box dimensions so generally tabulated CAUTION.—Measurements of the grate surface are not to be confused with

Asbestos for covering is not included in price of heater

For further measurements see detail sheet.

atory use, a size larger Heater should be selected. When Soft Coal is used for fuel or Heater used for Greenhouse or Conserv-

can be furnished at extra cost. ‡ Unless otherwise ordered, heaters will be tapped as above. Special Tappings

Spa. Roting

Abendroth York Gem Heaters

For Water Warming



PLATE 106

Grate Width20 in.

For full description see other side.

STEAM AND HOT WATER HEATERS

Abendroth Brothers

PORT CHESTER, N. Y.

Abendroth York Gem Heaters for Water Warming

20-30-40" Grate Widths

Capacity Range, 1150 to 11,800 Square Feet

40-W-5 40-W 6 40-W 8 40-W-10 40-W-10	30 W-5 30-W-6 30-W-7 30 W-8 30-W-10	20 W-4 20 W-5 20 W-6 20-W-7 20-W-8	Number of Heater
4750 5900 7000 8250 9450 10550	2400 2970 3540 4110 4680 5250	1150 1480 1810 2140 2470	*Ratings
1588.50 1256.50 1424.50 1592.50 1760.50 1929.00 2097.00	630 00 760 00 890.00 1020.00 1150.00	346 00 425.00 504 00 583 00 662 00	List Price
100 87 65	10 9 87 65	4 20 12	No Sect.
40×34 40×42½ 40×51 40×51½ 40×68 40×76½ 40×85	30x28 30x35 30x42 30x49 30x56 30x63	20x2I 20x28 20x35 20x42 20x49	Size of Grate
53½×43½ 53½×52 53½×60½ 53½×60½ 53½×68 53½×86 53½×86	34x36 41x36 48x36 55x36 62x36 69x36	27×27 27×34 27×41 27×48 27×48 27×55	Founda- tion
551 551 551 551 551 551 551 551 551 551	35 42 49 56 63	28 35 42 49	+Length
2-5 iii. 2-5 iii. 3-5 iii. 3-5 iii. 4-5 iii.	2 4 in. 2-4 in. 2-4 in. 3-4 in. 3 4 in. 3 4 in.	2-4 in. 2-4 in. 2-4 in. 2-4 in. 2 4 in.	‡Tappings
625 lbs. 750 lbs. 875 lbs. 875 lbs. 1000 lbs. 1125 lbs. 1375 lbs.	550 lbs. 625 lbs. 700 lbs 775 lbs. 850 lbs. 925 lbs	175 lbs. 200 lbs. 250 lbs. 300 lbs. 350 lbs.	\$Asbestos req. to cover r 1-4 in thick
Howive Howix Howeven Howate Hownine Howten Howleven	Fowls Fowton Fowboro Fowville Fowlfield Fowvillage	Gawk Gawky Gawton Gawboro Gawville	Code Word

	20"	30"	40"
Height of Heater	601/2"	65"	741/2"
Width of Heater	37"	49"	65"
Size of smoke pipe connection	10"	13"	17"
† Add to length for smoke hood when used vertically	91/4"	12"	
Add to length for smoke hood when used horizontally 111/4"	111/4"	16"	
Add to length for smoke hood			11"

fused with the greater area of the extreme Fire Box dimensions so generally tabulat-| CAUTION.—The actual measurements of the grate surface are not to be con-

§ Asbestos for covering is not included in price of heater

For further measurements see detail sheet.

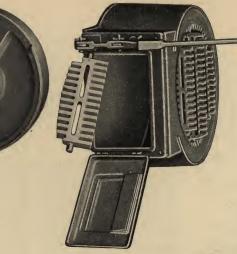
servatory use, a size larger Heater should be selected. When soft coal is to be used for fuel or Heater used for Greenhouse or Con-

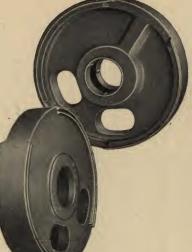
can be furnished at extra cost. ‡ Unless otherwise ordered, heaters will be tapped as above. Special tappings

*See rating note and guaranty.

Water Heater Steam and Hot

Abelidioth Crown





THE FIRE POT

rays of the fire by the formation of the Fire Pot, with its many RADIAL ARMS and its extraordinarily DEEP COAL CARRYING CAPACITY. The walls, too, are corrugated, thus inially aiding combustion. creasing the heating surface, as well as mater-THE greatest amount of prime heating face is brought in contact with the

mit of the insertion of Pipe coil should same be iron, are left in the sides of the Fire Pot to per-Two openings, sealed with a thin coating of

Fire Pot represents material fuel economy, is obrequired for domestic supply of hot water.

Norm.—That the radial arm construction of the

hard or soft coal. and dumping construction—designed for the successful burning of either THE BASE—With and GRATES of the roomy ashpit rocking

Ashes readily removed. Grate bars easily accessible-

INTERMEDIATE SECTIONS

sition of the desired capacity. creasersheating surface and bled with one or more of these-A BENDROTH CROWN GEM HEATERS may be assem--according to the requipower in-

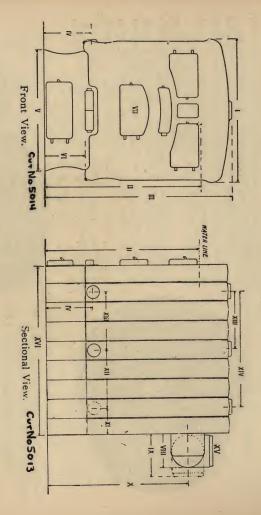
THE STEAM DOME is of such and liberal storage of steam. care for the free disengagement dimensions as to effectually

tain the smallest volume of water -so vitally necessary. The Water Dome built to con-



Abendroth Brothers

Abendroth York Gem Heater Measurements



ing out his work, and are actual measurements. will be cheerfully given. The measurements here given will be found of interest to the engineer in lay-Any further information desired

Abendroth York Gem Heater Measurements

××××××××××××××××××××××××××××××××××××××		20
40 ins. 51½ ins. 60½ ins. 20 ins. 20 ins. 14½ ins. 11¼ ins. 11¼ ins. 46¾ ins. 21 ins. 21 ins. 42 ins. 42 ins.	STEAM	20-INCH HEATER
37 ins. 60½ ins. 20 ins. 20 ins. 14½ ins. 10x16¾ 9¼ ins. 46¾ ins. 46¾ ins. 21 ins. 21 ins. 42 ins. 21 ins. 42 ins.	WATER	8R
50½ ins. 55½ ins. 66 ins. 20 ins. 36½ ins. 14½ ins. 11 x 20 ins. 16 ins. 50 ins. 21 ins. 50 ins. 50 ins. 50 ins. 50 ins. 50 ins. 60 ins. 70 ins. 70 ins. 71 ins. 72 ins. 73 ins.	STEAM	30-INCH I
66 ins. 20 ins. 36½ ins. 14½ ins. 11 × 20 ins. 50 ins. 21 ins. 21 ins. 21 ins. 21 ins. 36 ins. 36 ins. 36 ins.	WATER	HEATER
67½ ins. 62 ins. 74½ ins. 72½ ins. 73½ ins. 74½ ins. 74½ ins. 75½ ins.	STEAM	40-INCH
74½ ins. 22½ ins. 53½ ins. 14½ ins. 14½ ins. 2 — 11 x 20 11	WATER	HEATER

PROTECTION CLOSSIT TOTAL DECORATE T TOUTOR



16 in., 19 in., 22 in., and 25 in. grates.

For description see other side.

STEAM AND HOT WATER HEATERS

Abendroth Brothers

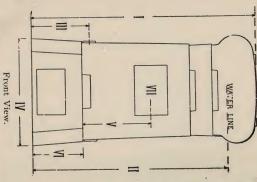
PORT CHESTER, N. Y.

Abendroth Crown Gem Heaters for Steam Warming

Round Sectional Type

Capacity Range, from 225 to 750 Square Feet

16.S-2 16.S-3 19.S-3 19.S-3 19.S-3 19.S-3 22.S-3 22.S-3 25-S-3 25-S-4	Number of Heater
225 275 275 325 325 425 475 575 675	*Ratings
\$154.00 175.00 196.00 218 00 250.00 268.00 284.00 355.00 385.00	List Price
16 in. 16 in. 19 in. 19 in. 19 in. 19 in. 22 in. 22 in. 25 in.	Diameter of Grate.
45 445 445 446 446 446 446 446 446 446 4	Height of Water Line
	Size of Smoke Pipe
2-2 in. 2-2 in. 2-2½ in. 2-2½ in. 2-2½ in. 2-3 in. 2-3 in. 2-3 in. 2-3 in. 2-3 in.	Tappings Each Inlet and Outlet
150 lbs. 175 lbs. 175 lbs. 200 lbs. 225 lbs. 225 lbs. 225 lbs.	+Asbestos req. to cover r r-4 in. thick
Crosak Crosame Crosba Crosban Crosbeek Crosco Croscot Croscot Crosclip Crosclad Crosdais	Code Word



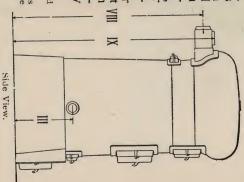
All Piping to be figured as radiation.

When soft coal is the fuel, or when the Heater is used in connection with greenhouse or conservatory warming, a size larger Heater should be selected.

Note — Diameter of grate should not be confused with fire box measurements so generally tabulated.

* See rating note and guarantee.

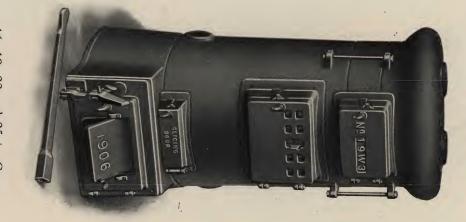
+ Asbestos for covering is not included in the price of heater.



Measurements of Abendroth Crown Gem Steam Heaters

16-2 16-3 19-3 19-4 19-4 22-2 22-3 22-3 25-3	У. 0.
51 46 52 4 47 53 4 47 54 49 47 55 4 48 48 55 8 61 61 61 61 61 61 61 61 61 61 61 61 61	1
55 48 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	I
12 in. 14 ½ in. 15 ½ in. 15 ½ in. 11 15 ½ in. 11 15 ½ in. 11 in. in. 1	II
24 ½ in. 24 ½ in. 26 ½ in. 26 ½ in. 26 ½ in. 26 ¼ in. 26	IV
7777777779 ****************************	4
9½ in. 9½ in. 12 in. 12 in. 12 in. 12 in. 12 in. 12 in. 12 in.	VI
8 8 2 2 2 2 10 2 10 2 10 2 10 2 2 2 2 2 2 2	VII
411464448%%% 441464448%%%% 441464448%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	VIII

For Water Warming



16, 19, 22 and 25 in. Grate

For description see other side.

STEAM AND HOT WATER HEATERS

Abendroth Brothers

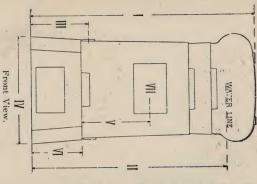
PORT CHESTER, N. Y.

Abendroth Crown Gem Heaters for Water Warming

Round Sectional Type

Capacity Range, from 375 to 1200 Square Feel

16-W-2 3 16-W-3 4 19-W-3 5 19-W-3 6 19-W-3 6 22-W-3 8 22-W-4 9 25-W-4 10	Number of *Rating
\$130 \$150 \$25 \$18 \$600 \$21 \$675 \$21 \$775 \$24 \$27 \$27 \$29 \$27 \$29 \$27 \$34 \$200 \$37	
\$130 00 16 165.00 16 185.00 19 210 00 19 240.00 19 255.00 22 270.00 22 270.00 22 348.00 25 370.00 25	List Diar Price of G
16 in. 7 16 in. 7 19 in. 7 19 in. 7 19 in. 7 19 in. 7 12 in 9 22 in 9 22 in 9 22 in 9	Diameter Size of Grate, Smoke
999977777	of Pipe
2-2 im. 2-2 im. 2-2½ im. 2-2½ im. 2-2½ im. 2-3 im. 2-3 im. 2-3 im.	Tappings Each Inlet and Outlet
150 lbs. 175 lbs. 175 lbs. 200 lbs. 225 lbs. 225 lbs. 225 lbs. 225 lbs. 225 lbs.	+Asbestos req. to cover r r-4 in, thick
Crowal Crowave Crowba Crowbite Crowco Crowcat Crowclip Crowdad Crowdais	Code Word



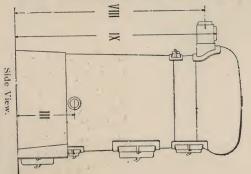
All Piping to be figured as radiation.

When soft coal is the fuel, or when the Heater is to be used in connection with greenhouse or conservatory warming, a size larger Heater should be selected.

Note — Diameter of grate should not be confused with firebox measurements so generally tabulated.

* See rating notes and guarantee.

+ Asbestos for covering is not included in the price of heater.



Measurements of Abendroth Crown Gem Water Heater

16-2 16-3 19-3 19-3 19-3 19-4 22-2 22-3 22-3 25-4	N o.
555 46%% 557 46%% 557 46%% 557 46%% 557 46%%	ш
55555444755 222 223 234 235 235 235 235 235 235 235 235 235 235	III
24 ½ iii. 26 ½ iii. 30 0 iii.iii. 31 11 iii.	IV
17 17 19 iii.	<
9 4 in. 9 4 in. 12 in.	1.0
8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	VII
4+54669+333 **** ******************************	ПГА

Abendroth Water and Tank Heaters

08. 11--00 and 120



PLATE 101

Price

\$112 50

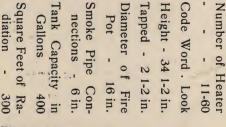


PLATE 102



DOME TOP.

Price	Square Feet of Radiation	Tank Capacity in Gallons	Smoke Pipe Connections	Diameter of Fire Pot	Tapped	Height	Code Word	Number of Heater	
\$75.00	-	2	6	12 in.	2	34 in.	_	-	
00	175	235	6 in:	in.	2 in.	Ξ.	Lid	120	

See Rating Notes and Guaranty.



Abendroth Brothers

Abendroth Sturdy Gem Tank Heaters



Tank Capacity, 425 to 775 Gallons.

* Have intermediate section.

No Fire Tools supplied with these heaters.

When soft coal is the fuel, a larger size heater should be selected.

* Asbestos for covering is not included in price of heater.

+ See Rating Notes and Guaranty.

Heating Capacity, 325 to 600 Squarz Feet.

*3·W-19	*2 W-19	1-W-19	*2-W-16	91-W-1	Number of Capa- Heater city Gallons
775	675	575	500	425	+Tank f Capa- city Gallons
600	565	475	400	325	Sq Ft. Radia- tion
183 00	168 00	148 00	138 00	118 00	List Price
188 00 501/2 iu. 26 in.	168 oo 46 In.	148 00 41½ in. 26 in.	138 00 461/4 in.	118 00 41¾ in.	Height of Heater
26 in.	25 in.	26 in.	24½ in	24½ in.	Diameter at Base.
19 in.	19 in.	19 in.	16 in.	ı6in.	Diameter at Grate.
6 in.	6 in	6 in.	6 in	6 in.	Size of Smoke Pipe
21/2 in	2½ in	2½ in	6 in 2 in.	2 in.	Size of Tap- pings.
6 in. 21/2 in 200 lbs.	2½ in 200 lbs.	2½ in 175 lbs.	175 lbs.	2 in. 150 lbs.	Size of Size of treq. to Smoke Tap cover 1 1-4
Sturbud	Sturbi	Sturb	Stural	Stura	Code

Asbestos to cover 11/4 inch thick, 75 lbs.	Price \$65.00	Square Feet of Radiation 90	Tank Capacity in Gallons 175	Smoke Pipe Connection 6 in.	Diameter of Fire Pot 12 in.	Tapped 2 in.	Height 33 in.	Code Word Lit	Number of Heater 12	Abendroth Little Gem Flat Top Water Heater
lbs.	\$87.50	200	275	6 in.	15 in.	2 in.	37 in.	Little	15	Heater

Not included in Price of Heater.
See Rating Notes and Guaranty.



PLATE 105

Abendroth Little Gem Oval Top Laundry Heater



Height No.
102 27 in.
Height, No.
201 22 in.
Diameter of
Fire Pot 12 in. 201\$46 Code Word, No. 102 Ligato Code Word, No. 201 Liganection...5 in. Tank Capacity Size of Coal Smoke Con-Top 22x20 Size of Covers 102 \$50 List Price No. Gals...100-150 List Price No. toon



Triangular Grate No. 201.

Abendroth Little Gem Square Top Laundry Heater.



Price\$57.00	Tank Capacity in Gallons125-175	Size of Covers4-8 in., or Rings 9, 10, 11, 16 in.	Size of Top22x22	Diameter of Fire Pot12 in.	Height of Heater	Code WordLand	Number of Heater 12	
7.00	-175	6 in.	2x22	in.	in.	and	12	

Can be furnished with base and round top.

See Rating Notes and Guaranty.

Abendroth Brothers

PORT CHESTER, N. Y.

Abendroth No. 10-W Laundry Heater.

Heaters.	No Fire Tools furnished with Laundry or Tank	Price	Tank Capacity in Gallons60-100	Size of Covers81/4"	Size of Top131/4"x20"	Diameter of Fire Pot101/2"	Height of Heater273/4"	Code WordLands	Number of Heater10-W
	with Laundry or Tank	\$57.00	60-100			101/2"	273/4"	Lands	10-W



No. 15 and 11-60 Little Gem Heaters Independent Water Rings for

List Price of Independent Ring only	Tapping	Depth	Tank Capacity of Ring	Code Word	Number of Ring
\$25.00	I in.	53/4 in.	75 gals.	Lace	No. 1
\$35.00	1 in.	93/4 in.	75 gals. 150 gals.	Log	No. 2

The Ring's Utility

advantageously used, necessitating the carrying of only one fire. street and roof-tank pressure, requires two hot-water storage tanks, this Ring can be er proper can be operated for warming radiators, and the Ring for furnishing hot water for domestic purposes, or, where the water supply, being furnished by both By the use of an Independent Ring in connection with a Gem Heater, the Heat-

Gem Auxiliary Heaters

Manifold for Gem Heaters

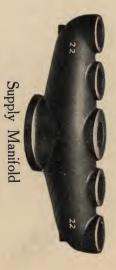


supplying hot water for domestic purof 17 1-2 ins. in diameter. furnace with a combustion chamber poses, Same can be placed in any FOR combination heating in connection with warm air furnace, or

square feet of direct radiation, or used assembled. capacity is required, section can be 100 gallons, tank capacity; if greater Each section will warm 75

Tapped 1 1-4 inch.

Code Word . . Price, per section . . \$15.00





Return Manifold

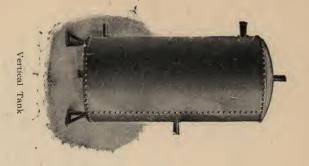
16 19 22 25	NUMBER
1-2 in. x 2-2 in. 1-3 in. x 4-2 in. 1-4 in. x 5-2 in. 1-5 in. x 5-2 in.	SUPPLY MANIFOLD
\$3 00 6 50 6 50	PRICE
1-2 in. x 2-2 in. 1-2½ in. x 2-2 in. 1-3 in. x 2-2 in. 1-3 in. x 3-2 in.	PRICE RETURN MANIFOLD
\$2 50 2 50 3 00	PRICE

STEAM AND HOT WATER HEATERS

Abendroth Brothers

PORT CHESTER, N. Y.

NEW YORK



Tank Data

N ordering, state whether the Tank is to be used vertically or horizontally.

shown on illustration. two-inch reinforced tapped openings. shipped with regular tappings, consisting of four Unless specifically directed, all Tanks will be Location

length over all to be longer than listed size. Lengths given herein are the shell portion of the The head being flanged and dished, causes

Working pressures of Tanks vary with the diameter of the Tank, from 50 to 80 pounds.

COILS.

Heating Contractor. size of coil to be used must be determined by the brass, can be supplied, but because of the varying conditions surrounding the installation the proper Return Bend or Spiral Coil of iron or seamless

Prices upon application.

Black Steel Storage Tanks

Vertical and Horizontal.

Shells, 3-16 inch. Heads, 1/4-inch

0x 96	30x 84	30x 72	30x 60	24x120	24x108	24x 84	24x 72	24x 60	20x 72	20x 60	18x 72	18x 60	Dimensions	
294 gals.	258 gals.	221 gals.	184 gals.	235 gals.	212 gals.	164 gals.	141 gals.	117 gals.	98 gals.	82 gals.	79 gals.	66 gals.	Capacities	
700 lbs.	640 lbs.	560 lbs.	495 lbs.	660 lbs.	600 lbs.	500 lbs.	440 lbs.	390 lbs.	360 lbs.	320 lbs.	330 lbs.	290 lbs.	Weights	
88.50	81.00	73.00	67.50	86.00	80.00	68.00	62.00	57.00	55.00	51.00	54.00	\$49.00	List Prices	
							,							
42x120	42x108	42x 96	42x 84	42x 72	36x120	36x108	36x 96	36x 84	36x 72	36x 60	30x120	30x108	Dimensions	
												30x108 335 gals.	01	
716 gals.	644 gals.	572 gals.	504 gals.	432 gals.	530 gals.	477 gals.	424 gals.	371 gals.	318 gals.	265 gals.	372 gals.		Capacities	

The above list-prices include regular tappings and one handhole.

Extras.

S	X	3
ist	an	an
=	ho	ho
0n	le	le
	Ħ.	Ξ.
80	H	S
(ea	nel
set	å	1,
0	=	=
#	7	7
ıre	Ħ.	Ħ.
e	×	×
, n	_	1
et.	7	#
	2	2
	3	3
	0	0
:	acl	acl
	ach .	ach .
	ach	ach
Cast Iron Legs (set of three), net	ach	ach \$
· · · · · · · · · · · · · · · · · · ·	ach 15.	ach \$12.
1.25	Manhole in Head, 11½ in. x 14½ in., each 15.00	ach \$12.50

Telegraph Code

will immediately follow the cipher word of the sentence. IN writing in cipher message, every cipher word should begin with a capital letter; if a blank space occurs in the sentence, the word or words supplying such a blank

Correspondence

Orders and Shipments

	Send tracer after our order (No. or date) F	•		Do not hold for other orders; rush F)	:			Enter our order, will mail instructions.		Ship at once by freight	Ship at once by best route
Fist	Fus	Frequent	Fast	Frantic	Favorable	Fatal	Favorite	Fervor	Festal	Felt	Favor	Front	Fahle

Abendroth Brothers

Established 1840

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